Message

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Subject: ADVANCED NOTIFICATION - PFAS Toxicity Assessment in Zebrafish, SOT Poster
Attachments: 20180302_SOT 2018 FINAL.pptx

Good afternoon Bruce,

The attached poster entitled "Exosure to PFOS, PFHxS, or PFHxA, but not GenX, ADONA, PFOA, or Nafion BP1, Elicits Developmental Neurotoxicity in Larval Zebrafish" authored by Gaballah S, Swank A, Catron T, McCord J, Strynar M, Sobus J, Hines E, Vogs C and Tal T will be presented at the SOT annual meeting next week in San Antonio. Importantly, OW and OPPT will be briefed on these materials this Thursday, March 8, prior to their presentation at SOT.

In the current study, zebrafish were exposed to PFOS, PFHxS, PFHxA, GenX, ADONA, PFOA, and Nafion BP1 daily 0-5 days post fertilization (dpf). Developmental toxicity was assessed based on structural malformations while developmental neurotoxicity was assessed based on alterations in locomotor activity in response to light/dark changes. Internal tissue concentrations are being determined at 6 dpf. Exposure to PFOS and PFHxS elicited identical morphological malformations and behavioral changes. PFHxA elicted a unique hyperactivity response, but no malformations. No effect was observed with Nafion BP1, GenX, ADONA, or PFOA.

Please let me know if you have any concerns or questions.

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